Sustainable INL News

Meeting the needs of the present without compromising the ability of future generations to meet their needs

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Facilities: Striving for the Sustainability Standard

NL is working toward the sustainability standard by ensuring that our facilities are as sustainable as possible. The laboratory helps implement its sustainability objectives through design processes and facility projects.

There are three guiding principles in the building design process of the Sustainable INL Program: engineering standards, INL High Performance Building Strategy and Leadership in Energy and Environmental Design (LEED). LEED is the current standard that federal mandates (including executive orders and DOE orders) recognize for highperformance and sustainable buildings. In the lab's internal engineering standards, there is a section dedicated to energy efficiency and sustainability. Additionally, the INL High Performance **Building Strategy provides** recommendations, guidance and references to aid in the design and construction of LEED-certified facilities.

While having these standards plays a crucial

role in INL's sustainable development, implementing these principles in all our facilities is crucial. To help rubber meet the road on making existing facilities operate in line with sustainable goals, projects become a primary part of INL's sustainability efforts. Key projects supporting the Sustainable INL Program are Energy Savings **Performance Contracts** (ESPC), Utility Energy Savings Contracts (UESC), internal projects and utility

planned at MFC, ATR, SMC and CFA.

With UESCs, a utility company acts as the contractor and is responsible for development, design and construction for the project. INL is currently working with Bonneville Power to develop a UESC for all of the Idaho Falls facilities.

Both Idaho Power and Idaho Falls Power administer energy incentives programs. Both Sustainable INL Program

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"The way to 100% sustainability is innovation."

- William McDonough

incentives.

While internal projects paid for with INL funds are an option, a lack of funding has resulted in more reliance on ESPC projects.

ESPCs are the primary means through which INL will achieve energy and water savings. ESPC projects are contracts between DOE-ID and an energy services contractor. IRC has completed an ESPC project, and more are

of these programs can be used to augment ESPC or UESC costs.

As INL plans future facilities and updates existing facilities, the laboratory moves toward our goal of making facilities more environmentally friendly, economically efficient and inviting for employees to use – steps that bring us closer to the sustainability standard.



